

Substitute for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 11

Complete if Known

Application Number	09/518,916
Filing Date	03/03/2000
First Inventor	Andrew Lukas
Art Unit	3625
Examiner Name	James H. Zurita
Attorney Docket No.	1160215.0531073

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD- YYYY	Name of Patentee or Applicant	Pages, columns, lines where relevant passages or relevant figures appear
		US 4,949,278	08-14-1990	Davies et al.	
		US 4,992,940	02-12-1991	Dworkin	
		US 4,999,833	03-12-1991	Lee	
		US 5,175,800	12-29-1992	Galis et al.	
		US 5,206,903	04-27-1993	Kohler et al.	
		US 5,214,715	05-25-1993	Carpenter et al.	
		US 5,309,355	05-03-1994	Lockwood	
		US 5,345,380	09-06-1994	Babson III et al.	
		US 5,411,947	05-02-1995	Hostettler et al.	
		US 5,412,576	05-02-1995	Hansen	
		US 5,434,994	07-18-1995	Shaheen et al.	
		US 5,493,490	02-20-1996	Johnson	
		US 5,546,539	08-13-1996	Poling	
		US 5,581,664	12-03-1996	Allen et al.	
		US 5,586,218	12-17-1996	Allen	
		US 5,615,296	03-25-1997	Stanford et al.	
		US 5,625,748	04-29-1997	McDonough et al.	
		US 5,652,897	07-29-1997	Linebarger et al.	
		US 5,678,002	10-14-1997	Fawcett et al.	
		US 5,701,399	12-23-1997	Lee et al.	
		US 5,701,419	12-23-1997	McConnell	
		US 5,748,711	05-05-1998	Scherer	
		US 5,757,904	05-26-1998	Anderson	
		US 5,758,257	05-26-1998	Herz et al.	
		US 5,784,539	07-21-1998	Lenz	
		US 5,802,526	09-01-1998	Fawcett et al.	
		US 5,802,536	09-01-1998	Yoshii et al.	
		US 5,809,282	09-15-1998	Cooper et al.	
		US 5,812,743	09-22-1998	Takahashi	
		US 5,822,743	10-13-1998	Gupta et al.	
		US 5,825,869	10-20-1998	Brooks et al.	
		US 5,852,814	12-22-1998	Allen	
		US 5,867,562	02-02-1999	Scherer	
		US 5,872,833	02-16-1999	Scherer	
		US 5,895,466	04-20-1999	Goldberg et al.	
		US 5,944,839	08-31-1999	Isenberg	
		US 5,951,694	09-14-1999	Choquier et al.	
		US 5,956,683	09-21-1999	Jacobs et al.	
		US 5,960,399	09-28-1999	Barclay et al.	
		US 5,963,939	10-05-1999	McCann et al.	
		US 5,963,940	10-05-1999	Liddy et al.	
		US 5,966,429	10-12-1999	Scherer	

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		US 5,970,482	10-19-1999	Pham et al.	
		US 5,983,220	11-09-1999	Schmitt	
		US 5,987,376	11-16-1999	Olson et al.	
		US 5,987,415	11-16-1999	Breese et al.	
		US 5,991,394	11-23-1999	Dezonno et al.	
		US 6,012,051	01-04-2000	Sammon, Jr. et al.	
		US 6,018,722	01-25-2000	Ray et al.	
		US 6,021,403	02-01-2000	Horvitz et al.	
		US 6,029,099	02-22-2000	Brown	
		US 6,032,129	02-29-2000	Greef et al.	
		US 6,035,283	03-07-2000	Rofrano	
		US 6,038,544	03-14-2000	Machin et al.	
		US 6,044,142	03-28-2000	Hammarstrom et al.	
		US 6,044,146	03-28-2000	Gisby et al.	
		US 6,067,525	05-23-2000	Johnson et al.	
		US 6,070,142	05-30-2000	McDonough et al.	
		US 6,070,149	05-30-2000	Tavor et al.	
		US 6,088,722	07-11-2000	Herz et al.	
		US 6,094,673	07-25-2000	Dillip et al.	
		US 6,105,003	08-15-2000	Morohashi et al.	
		US 6,112,186	08-29-2000	Bergh et al.	
		US 6,117,187	09-12-2000	Staelin	
		US 6,119,101	09-12-2000	Peckover	
		US 6,122,632	09-19-2000	Botts et al.	
		US 6,125,356	09-26-2000	Brockman et al.	
		US 6,137,870	10-24-2000	Scherer	
		US 6,138,105	10-24-2000	Walker et al.	
		US 6,145,002	11-07-2000	Srinivasan	
		US 6,169,979	01-02-2001	Johnson	
		US 6,173,266	01-09-2001	Marx et al.	
		US 6,173,279	01-09-2001	Levin et al.	
		US 6,177,932	01-23-2001	Galdes et al.	
		US 6,178,546	01-23-2001	McIntyre	
		US 6,182,059	01-30-2001	Angotti et al.	
		US 6,188,751	02-13-2001	Scherer	
		US 6,192,110	02-20-2001	Abella et al.	
		US 6,205,207	03-20-2001	Scherer	
		US 6,212,502	04-03-2001	Ball et al.	
		US 6,219,654	04-17-2001	Ruffin	
		US 6,220,743	04-24-2001	Campestre et al.	
		US 6,233,547	05-15-2001	Denber	
		US 6,233,570	05-15-2001	Horvitz et al.	

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		US 6,223,609	05-01-2001	Leifeld et al.	
		US 6,236,978	05-22-2001	Tuzhilin	
		US 6,243,680	06-05-2001	Gupta et al.	
		US 6,243,684	06-05-2001	Stuart et al.	
		US 6,243,754	06-05-2001	Guerin et al.	
		US 6,247,005	06-12-2001	Edwards et al.	
		US 6,249,807	06-19-2001	Shaw et al.	
		US 6,249,809	06-19-2001	Bro	
		US 6,253,173	06-26-2001	Ma	
		US 6,256,620	07-03-2001	Jawahar et al.	
		US 6,260,035	07-10-2001	Horvitz et al.	
		US 6,262,730	07-17-2001	Horvitz et al.	
		US 6,263,066	07-17-2001	Shtivelman et al.	
		US 6,263,325	07-17-2001	Yoshida et al.	
		US 6,266,649	07-24-2001	Linden et al.	
		US 6,275,806	08-14-2001	Pertrushin	
		US 6,278,996	08-21-2001	Richardson et al.	
		US 6,282,527	08-28-2001	Gounares et al.	
		US 6,282,565	08-28-2001	Shaw et al.	
		US 6,285,986	09-04-2001	Andrews	
		US 6,304,864	10-16-2001	Liddy et al.	
		US 6,317,722	11-13-2001	Jocobi et al.	
		US 6,330,554	12-11-2001	Altschuler et al.	
		US 6,332,129	12-18-2001	Walker et al.	
		US 6,337,906	01-08-2002	Bugash et al.	
		US 6,341,276	01-22-2002	Bender et al.	
		US 6,343,116	01-29-2002	Quinton et al.	
		US 6,356,633	03-12-2002	Armstrong	
		US 6,356,869	03-12-2002	Chapados et al.	
		US 6,356,884	03-12-2002	Thaler	
		US 6,370,526	04-09-2002	Agrawal et al.	
		US 6,377,944	04-23-2002	Busey et al.	
		US 6,381,640	04-30-2002	Beck et al.	
		US 6,389,124	05-14-2002	Schnarel et al.	
		US 6,393,428	05-21-2002	Miller et al.	
		US 6,397,193	05-28-2002	Walker et al.	
		US 6,401,061	06-04-2002	Zieman	
		US 6,411,926	06-25-2002	Chang	
		US 6,411,947	06-25-2002	Rice et al.	
		US 6,434,230	08-13-2002	Gabriel	
		US 6,442,438	08-27-2002	Naillon	
		US 6,442,493	08-27-2002	Jurisch et al.	

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Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, columns, lines where relevant passages or relevant figures appear
		US 6,442,519	08-27-2002	Kanevsky et al.	
		US 6,449,356	09-10-2002	Dezonna	
		US 6,449,588	09-10-2002	Bowman-Amuah	
		US 6,449,646	09-10-2002	Sikora et al.	
		US 6,451,187	09-17-2002	Suzuki et al.	
		US 6,460,037	10-01-2002	Weiss et al.	
		US 6,473,791	10-29-2002	Al-Ghosein et al.	
		US 6,473,794	10-29-2002	Guheen et al.	
		US 6,477,520	11-05-2002	Malaviya et al.	
		US 6,480,599	11-12-2002	Ainslie et al.	
		US 6,493,686	12-10-2002	Francone et al.	
		US 6,498,921	12-24-2002	Ho et al.	
		US 6,519,571	02-11-2003	Guheen et al.	
		US 6,519,628	02-11-2003	Locascio	
		US 6,526,387	02-25-2003	Ruffin et al.	
		US 6,529,954	03-04-2003	Cookmeyer II et al.	
		US 6,553,346	03-18-2003	Yu	
		US 6,560,590	05-06-2003	Shwe et al.	
		US 6,563,921	05-13-2003	Williams et al.	
		US 6,571,225	05-27-2003	Oles et al.	
		US 6,574,599	06-03-2003	Lim et al.	
		US 6,578,054	06-10-2003	Hopmann et al.	
		US 6,581,048	06-17-2003	Werbos	
		US 6,584,185	06-24-2003	Nixon	
		US 6,584,312	06-24-2003	Morin et al.	
		US 6,598,039	07-22-2003	Livovsky	
		US 6,600,749	07-29-2003	Hayball et al.	
		US 6,604,141	08-05-2003	Ventura	
		US 6,606,598	08-12-2003	Holthouse et al.	
		US 6,614,885	09-02-2003	Polcyn	
		US 6,615,172	09-02-2003	Bennett et al.	
		US 6,633,846	10-14-2003	Bennett et al.	
		US 6,650,748	11-18-2003	Edwards et al.	
		US 6,652,283	11-25-2003	Van Schaack et al.	
		US 6,658,396	12-02-2003	Tang et al.	
		US 6,658,598	12-02-2003	Sullivan	
		US 6,665,395	12-16-2003	Busey et al.	
		US 6,665,640	12-16-2003	Bennett et al.	
		US 6,665,644	12-16-2003	Kanevsky et al.	
		US 6,694,314	02-17-2004	Sullivan et al.	
		US 6,694,482	02-17-2004	Arellano et al.	
		US 6,724,887	04-20-2004	Eilbacher et al.	

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		US 6,732,188	05-04-2004	Flockhart et al.	
		US 6,741,698	05-25-2004	Jensen	
		US 6,748,369	06-08-2004	Khedkar et al.	
		US 6,760,727	07-06-2004	Schroeder et al.	
		US 6,771,765	08-03-2004	Crowther et al.	
		US 6,775,378	08-10-2004	Villena et al.	
		US 6,798,876	09-28-2004	Bala	
		US 6,819,759	11-16-2004	Khue et al.	
		US 6,826,549	11-30-2004	Marks et al.	
		US 6,829,603	12-07-2004	Chai et al.	
		US 6,895,558	05-17-2005	Loveland	
		US 6,901,397	05-31-2005	Moldenhauer et al.	
		US 6,922,689	07-26-2005	Shtivelman	
		US 6,934,381	08-23-2005	Klein et al.	
		US 6,941,304	09-06-2005	Gainey et al.	
		US 6,965,865	11-15-2005	Pietz et al.	
		US 6,999,990	02-14-2006	Sullivan et al.	
		US 7,050,977	05-23-2006	Bennett	
		US 7,065,188	06-20-2006	Mei et al.	
		US 7,068,774	06-27-2006	Judkins et al.	
		US 7,092,509	08-15-2006	Mears et al.	
		US 09/323,718	01-19-1999	Gau	
		US 09/518,916	03-03-2000	Lukas et al.	
		US 2001/0014868	08-16-2001	Herz et al.	
		US 2001/0044743	11-22-2001	McKinley et al.	
		US 2001/0044751	11-22-2001	Pugliese III et al.	
		US 2001/0044759	11-22-2001	Kutsumi et al.	
		US 2001/0049632	12-06-2001	Rigole	
		US 2001/0051893	12-13-2001	Hanai et al.	
		US 2001/0054064	12-20-2001	Kannan	
		US 2002/0002502	01-03-2002	Maes et al.	
		US 2002/0004764	01-10-2002	Stolze et al.	
		US 2002/0010645	01-24-2002	Hagen et al.	
		US 2002/0036658	03-28-2002	Carolan et al.	
		US 2002/0055890	05-09-2002	Foley	
		US 2002/0055906	05-09-2002	Katz et al.	
		US 2002/0107824	08-08-2002	Ahmed	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ³ (if known)	Publication Date MM-DD- YYYY	Name of Patentee or Applicant	Pages, columns, lines where relevant passages or relevant figures appear	T ⁵
		CA 2 248 897	10-30-2001	Convergys CMG Utah Inc.		
		CA 2 301 664	07-21-1998	Convergys Customer Management		
		CA 2 485 238	12-14-2004	Convergys CMG Utah Inc.		
		EP 0 077 175	04-20-1983	Stauffer Chemical Company Group		
		EP 0 700 563	09-02-1998	Unisys Corp.		
		EP 0 977 175	11-09-2005	Canon Kabushiki		
		EP 1 191 772	03-27-2002	Rockwell Electric		
		EP 1 324 534	07-02-2003	Whisperwire, Inc.		
		EP 1 424 844	06-02-2004	Swisscom Fixnet		
		EP 1 494 499	01-05-2005	Microsoft Corp.		
		GB 2 343 772	07-21-1997	Convergys CMG Utah Inc.		
		JP 10133847	05-22-1998	Casio Computer Co. Ltd.		
		JP 2002/055695	02-20-2002	Alpine Electronics		
		JP 2002/189483	07-05-2002	Daiichikosho Co.		
		JP 2002/366552	12-20-2002	IBM		
		JP 2002/374356	12-26-2002	Koninkl Philips		
		JP 2004/030503	01-29-2004	Hitachi Software		
		JP 2004/104353	04-02-2004	Kawasaki Steel		
		JP 2004/118457	04-15-2004	SOS Japan KK		
		JP 2004/220219	08-05-2004	View Tech Lab KK		
		JP 2004/241963	08-26-2004	Hitachi Information Technology		
		JP 2004/304278	10-28-2004	Osako Gas Co.		
		JP 2005/258825	09-22-2005	Seiko Epson Corp.		
		WO 1992/015951	09-17-1992	Inference Corp.		
		WO 1993/021587	10-28-1993	Inference Corp.		
		WO 1995/002221	01-19-1995	Inference Corp.		
		WO 1995/027360	10-12-1995	Citibank, N.A.		
		WO 1999/004347	01-28-1999	Matrixx Marketing		

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		WO 1999/053676	10-21-1999	AT&T Corp.	
		WO 2000/070481	11-23-2000	Manna, Inc.	
		WO 2000/073955	12-07-2000	Andersen Consulting LLP	
		WO 2000/075851	12-14-2000	Stockpricepredicto r.com, LLC	
		WO 2001/004814	01-18-2001	Zibex Corporation	
		WO 2001/033414	05-10-2001	SAP Aktiengesellschaft	
		WO 2001/035617	05-17-2001	Telera	
		WO 2001/037136	05-25-2001	The Chase Manhattan Bank	
		WO 2001/039028	05-31-2001	Accenture, LLP	
		WO 2001/039082	05-31-2001	Andersen Consulting, LLP	
		WO 2001/039086	05-31-2001	Andersen Consulting, LLP	
		WO 2001/082123	11-01-2001	Invention Machine Corporation, Inc.	
		WO 2002/009399	01-31-2002	Telefonaktiebolag et LM Ericsson	
		WO 2002/019603	03-07-2002	Rooks et al.	
		WO 2002/027426	04-04-2002	International Interactive Commerce, Ltd.	
		WO 2002/061730	08-08-2002	The Procter & Gamble Company	
		WO 2002/073331	09-19-2002	Semantic Edge GMBH	
		WO 2003/009175	01-30-2003	Nice Systems, Ltd.	
		WO 2003/021377	03-13-2003	OP40, Inc.	
		WO 2003/069874	08-21-2003	Unified Dispatch, Inc.	
		WO 2004/059805	07-15-2004	Proficient Systems	
		WO 2004/091184	10-21-2004	Medianatum OY	
		WO 2004/107094	12-09-2004	Seurat Company	
		WO 2005/006116	01-20-2005	Apptera, Inc.	
		WO 2005/011240	02-03-2005	Knowlagent, Inc.	
		WO 2005/013094	02-10-2005	Pometrics, Inc.	
		WO 2005/069595	07-28-2005	International Business Machines Corp.	

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		WO 2006/050503	05-11-2006	Proficient Systems	
		WO 2006/062854	06-15-2006	SBC Knowledge Ventures, LP	
		WO 2007/033300	03-22-2007	The Trustees of Columbia University in the City of New York	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
		AFONSO, J.L., "Fuzzy Logic Techniques Applied to the Control of a Three-Phase Induction Motor," https://repositorium.sdum.uminho.pt/bitstream/1822/1685/1/Motor_97.pdf	
		AHMAD, M., "Communication Network Planning Using Artificial Neural Networks," Singapore ICCS Conference Proceedings (1994) p. 810-813.	
		AMIRI, A., "The Design of Service Systems with Queuing Time Cost, Workload Capacities and Backup Service," European Journal of Operational Research (1998) pp. 201-217.	
		BAKOS, Y.B. et al., "The Emerging Role of Electronic Marketplaces on the Internet," Communications of the ACM, vol. 41, No. 8 (August, 1998) pp. 35-42.	
		BRIGHT et al., "Service Creation in an Intelligent Network," IEEE Global Telecommunications Conference and Exhibition, vol. 1 (1989) pp. 137-140.	
		BRUNE et al., "A Resource Description Environment for Distributed Computing Systems," High Performance Distributed Computing, 1999 Proceedings, 8 th International Symposium in Redondo, Beach, CA (August 3-6, 1999) Los Alamitos, CA, pp. 276-286.	
		CARCHIOLO et al., "An Agent Based Platform for a Service Provider," NEC Research Index Online, http://citeseer.nj.nec.com/91085.html (1998) pp. 1-6.	
		CARUSO, J., "Standards Committee to Define Call Center Terms (industry reporting standards steering committee) (Technology Information) CommunicationsWeek, No. 608 (April 29, 1996) (Abstract only reviewed and provided)	
		CHAN, C. et al., "Development of an Intelligent Case-Based System for Help Desk Operations, 1999 IEEE Canadian Conference on Electrical and Computer Engineering, Edmonton, Alberta, Canada, vol. 2 (May 9-12, 1999) pp. 1062-1067 (Abstract only reviewed and provided).	
		DAMIANI et al., "A Human Centered Agent-Based Architecture for Electronic Brokerage," Proceedings of the ACM Symposium on Applied Computing (1999) pp. 243-249.	

Examiner Signature		Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 9 of 11

Complete if Known

Application Number	09/518,916
Filing Date	03/03/2000
First Inventor	Andrew Lukas
Art Unit	3625
Examiner Name	James H. Zurita
Attorney Docket No.	1160215.0531073

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
		DEWITT, R.T., "Expert Systems for User Service," ACM SIGUCCS User Service Conference XVII (1989) pp. 243-246.	
		FERGUSON et al., "A Knowledge-based Sales Assistant for Data Communications Networks," IEEE, vol. 3 (June 10, 1987) pp. 1634-1642.	
		FINKE, M. et al., "Inferring Discourse Structure from Speech, Proceedings of 1998 Spring Symposium Series Applying Machine Learning to Discourse Processing (March 23-25, 1998) pp. 25-32 (Abstract only reviewed and provided).	
		HU, X. et al., "A survey of machine learning approaches to analysis of large corporations," School of Computing, University of Leeds, U.K. LS2 9JT.	
		ISHIWA et al., "An Expert System for Planning Private Networks," NEC Research and Development, Nippon Electric Ltd., Tokyo, Japan, vol. 35, no. 3 (July 1, 1994) pp. 306-314.	
		JOHNSON et al., "Consulting Without Consultants: Expert Systems Applications in User Services," Proceedings of the 17 th Annual ACM SIGUCCS Conference on User Services (1989) pp. 335-342.	
		JUNGEN et al., "An Intelligent Interactive Project Management Support System," European Journal of Operational Research, vol. 84 (1995) pp. 60-81.	
		LANGKILDE, I. et al., "Automatic Prediction of Problematic Human-Computer Dialogues in 'How May I Help You?'" AT&T Labs - Research.	
		MARSICO, K., "Call Centers: Today's New Profit Centers," AT&T Technology, USA, vol. 10, no. 4, (1995-1996) pp. 14-18.	
		MCNIGHT et al., "Pricing Internet Services: Proposed Improvements," Computer, vol. 33 (March, 2000) pp. 108-109.	
		MOHRI, M. et al., "Weighted Finite-State Transducers in Speech Recognition, Computer Speech and Language (article submitted to).	
		Office Action dated 12/02/2004 for US Application Serial No. 09/764,662 filed 01/18/2001.	
		Office Action dated 06/22/2005 for US Application Serial No. 09/909,250 filed 07/19/2001.	
		Office Action dated 10/15/2007 for US Application Serial No. 10/419,463.	
		Office Action dated 11/29/2007 for US Application Serial No. 10/834,878.	
		Office Action dated 03/20/2008 for US Application Serial No. 09/764,662.	
		PAEK, T. et al., "Optimizing Automated Call Routing by Integrating Spoken Dialog Models with Queuing Models (timpak@horvitz@Microsoft.com , Microsoft, Redmond, WA.	
		PENG, F. et al., "Combining Naïve Bayes and n-Gram Language Models for Text Classification (f3peng.dale@cs.uwaterloo.ca)	
		RAHBARI, R. et al., "Intelligent Tutoring System: An Expert-System Trainer for Herring Roe Grading," American Control Conference, 1997, Proceedings of the 1997, Vol. 5 (June 4-6, 1997) pp. 3171-3175.	
		RICCARDI, G. et al., "A Spoken Language System for Automated Call Routing," International Conference on Acoustics, Speech and Signal Processing, USA (April 21, 1997) pp. 1143-1146.	

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		SCHAPIRE, G. et al., "BoosTexter: A Boosting-based System for Text Categorization, (schapi@research.att.com ; singer@research.att.com).	
		SCHMIDT, M.S., "Identifying Speakers with Support Vector Networks," Proceedings of 28 th Symposium on the Interface of Computing Science and Statistics (Graph-Image-Vision) (July 8-12, 1996) pp. 305-314 (Abstract only reviewed and provided).	
		SHRIBERG, E. et al., "Can Prosody Aid the Automatic Classification of Dialog Acts in Conversational Speech?," Language and Speech, USA, vol. 41 (1988) pp. 443-492 (Abstract only reviewed and provided).	
		SOMERS et al., "Intelligent Resource Dimensioning in ATM Networks," Proceedings of the International SWIT, vol. 2, SYMP 15 (April 23, 2005) pp. 62-66.	
		STEINBORN, D., "Time flies, even waiting (bank telephone answering), Bank Systems Technology, vol. 30, No. 9, La Salle Nat. Bank, Chicago, IL (September, 1993) pp. 39, 41 (Abstract only reviewed and provided).	
		STRUCK, D.L., "Business Rule Continuous Requirement Environment. A Dissertation Submitted to the Graduate Council in Partial Fulfillment of the Requirement for the Degree of Doctor of Computer Science." Colorado Springs, Colorado (May, 1999).	
		SUN, J. et al., "Fuzzy Semantic Measurement for Synonymy and its Application in an Automatic Question-Answering System," http://pami.uwaterloo.ca/pub/spodder/paper2.pdf .	
		TANG, M. et al., "Call-Type Classification and Unsupervised Training for the Call Center Domain, (tagm_pellom_hacioglu@cslr.colorado.edu)	
		To use and abuse (Voice processing), What to Buy for Business, No. 166, UK (January, 1995) pp. 3-20.	
		TSUCHIDA et al., "Concept and Architecture of Intelligent Dynamic Service Provisioning (IDSP)," NNT R&D (1997) Author Abstract.	
		VEKIARIDES et al., "NetCap: A Tool for the Capacity Planning of Ethernet LANs," IEEE International Workshop on Modeling, Analysis, and Simulation of Computer and Telecommunications Systems Proceedings (1998) pp. 198-203.	
		WAHLSTER, W., "The Role of Natural Language in Advanced Knowledge-Based Systems, In: H. Winter (ed.): Artificial Intelligence and Man-Machine Systems, Berlin: Springer.	
		WALKER, M., "Learning to Predict Problematic Situations in a Spoken Dialogue System: Experiments with How May I Help You?," ACM International Conference Proceeding Series, vol. 4 archive, Proceedings of the first conference on North American Chapter of the Association of Computational Linguistics, Seattle, WA (2000) pp. 210-217 (Abstract only reviewed and provided).	
		WEISS, "The Seamless, Web-based Library: A Meta Site for the 21 st Century," http://internetquickreference.net/WebLib.pdf .	
		WHITTAKER et al., "Interactive Voice Technology for Telecommunications for Telecommunications Applications: #10 Practical Issues in the application of speech technology to network and customer service applications, IVTTA 1998 Proceedings, 1998 IEEE 4 th Workshop, (September, 1998) pp. 185-190.	

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		YU, C.F., "Customer Service Provisioning in Intelligent Network," IEEE Network Magazine, vol. 4 (1991) pp. 25-28.	

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